

Sustainability Science

The Sustainability Science program is interdisciplinary and focuses on understanding and finding solutions to real world problems. It addresses some of the most critical challenges Kaua'i, Hawai'i, and the world. The skills and knowledge students gain in the program provide a solid background in science, math, and other disciplines preparing them for the local workforce and/or transfer into many different Associate and Bachelor degree programs in the University of Hawai'i system.

Program Admission Requirements:

The student must be enrolled at Kaua'i Community College. Qualified for ENG 100 or concurrent enrollment in ENG 75 or higher and either qualified for MATH 82X or concurrent enrollment in MATH 75X or higher; or approval of instructor.

Program Student Learning Outcomes (PSLOs) approved 02/05/2014:

1. Detail valid sustainability concerns and potential solutions, the inter-related nature of these concerns, and their implications in an island context.
2. Identify and describe the basic scientific components behind existing and emerging technologies in a variety of areas related to sustainability.
3. Demonstrate skills needed to work towards sustainability in a variety of contexts, including collaboration, making presentations, preparing reports, and the use of appropriate science and technology and other information gathering techniques to access information.
4. Design comprehensive solutions to basic sustainability problems that are well researched and supported.
5. Use scientific principles or methods to critically evaluate proposed solutions to basic sustainability problems.